

CO₂ Slicing

Cloud top retrieval from infrared observations

- Clear radiances in two or more CO₂ channels (15 μ m)
- Cloudy radiances in two or more CO₂ Channels
- Atmospheric Profile
- Lidar for validation

IR Determination of Cloud Phase (water/ice)

Based on the difference of absorption coefficients between ice and water in the 8 to 12 μm region.

Summary

- Cloud Mask for MAS Version 2.0 is available,
- Cloud mask for MAS is ‘lookin good’.
- CO2 slicing ‘lookin very good’ for SUCCESS,
- Cloud IR phase validation underway.
- Particle size retrieval comparison and validation.